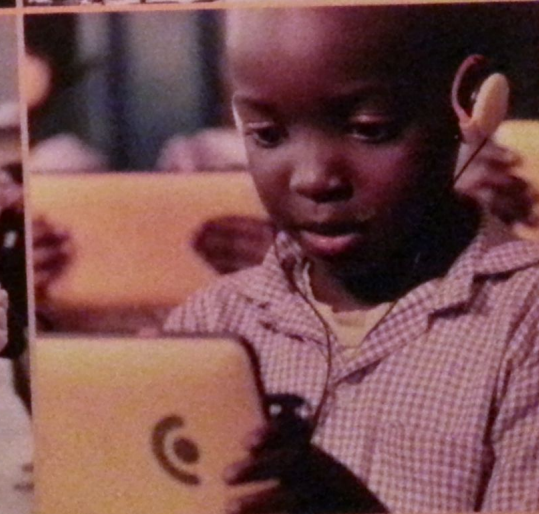




DESIGN WITH THE 90%

EXHIBITION PROJECTS



DESIGN WITH THE 90%

September 13, 2018–August 31, 2019

The Bill & Melinda Gates Foundation Discovery Center presents *Design with the 90%*, an exhibition highlighting efforts of designers around the world to develop affordable and sustainable shelter, food, drinking water, sanitation, and health solutions for some of the world's most marginalized communities. *Design with the 90%* was organized by Cooper Hewitt, Smithsonian Design Museum's Curator of Socially Responsible Design, Cynthia E. Smith, and features more than 26 projects that demonstrate how design can be a dynamic force for social change.

Organized by

BILL & MELINDA
GATES foundation
DISCOVERY CENTER

COOPER
HEWITT
SMITHSONIAN DESIGN MUSEUM

ADSPECS

DESIGNER: Joshua Silver, Centre for Vision in the Developing World (United Kingdom)
LOCATION USED: Worldwide

Over half a billion people worldwide need—but cannot afford—vision correction, limiting their ability to live normal and productive lives. In many parts of the world people are not even aware their poor vision can be corrected, and eyeglasses are often prohibitively expensive and only available in urban areas. Seeing the overwhelming need, atomic physicist Joshua Silver was determined to find a low-cost solution, and designed an affordable spectacle that can be easily adjusted onsite to immediately improve vision. As of 2009, over 30,000 AdSpecs have been deployed worldwide.

AMPLI DXRX KIT

DESIGNER: Little Devices Lab @ MIT (United States of America)
LOCATIONS USED: Chile, Honduras, Hong Kong, Nicaragua, Senegal

Millions of people, especially those living in developing and emerging economies, do not have access to life-saving drugs because the medicines may be rare, too new, or expensive. Drawing on the wellspring of local knowledge and talent available in small, low-resource labs around the world, MIT's Little Devices Lab designed a low-cost, compact how-to kit enabling labs to make their own medicines and diagnostic tests. Each AMPLI kit (an acronym for asynchronous modular paperfluidic linear instrument-free) consists of a library of diagnostic blocks, which enables labs to examine fairly-gathered scientific specimens using open source affordable tools, and a paper pharmacy machine to supply affordable drugs.